

District I  
1625 N. French Dr , Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-141  
Revised October 10, 2003

Submit 2 Copies to appropriate  
District Office in accordance  
with Rule 116 on back  
side of form

**Release Notification and Corrective Action**

30-039-25442

**OPERATOR**

☐ Initial Report ☒ Final Report

Name of Company: Energen Resources, Inc.	Contact: Ed Hasely
Address: 2010 Afton Place, Farmington, NM 87401	Telephone No: 505-324-4131
Facility Name: Jicarilla 95 #6A	Facility Type: Oil/Gas Well Site

Surface Owner: Jicarilla	Mineral Owner: Jicarilla	Lease No. Jicarilla 95
--------------------------	--------------------------	------------------------

**LOCATION OF RELEASE**

Unit Letter J	Section 36	Township 27N	Range 3W	Feet from the	North/South Line	Feet from the	East/West Line	County Rio Arriba
------------------	---------------	-----------------	-------------	---------------	------------------	---------------	----------------	----------------------

Latitude 36.52734

Longitude -107.09311

**NATURE OF RELEASE**

Type of Release: Produced Fluids	Volume of Release: Unknown	Volume Recovered: 0 bbls
Source of Release: Production Pit Tank	Date and Hour of Occurrence: Unknown	Date and Hour of Discovery: 8/2/12
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? NMOCD - Brandon Powell, Jicarilla EPO - Hobson Sandoval	
By Whom? Ed Hasely	Date and Hour: 8/3/12, 7:15 am	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse. NA	

If a Watercourse was Impacted, Describe Fully.\* NA

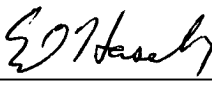
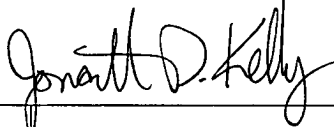
RCVD SEP 27 '12  
OIL CONS. DIV.  
DIST. 3

**Describe Cause of Problem and Remedial Action Taken.\***

Soils underneath the tank during the below-grade tank closure were visually impacted. According to the Pit Rule, this is an indication of a release.

**Describe Area Affected and Cleanup Action Taken.\*** Approximately 220 cubic yards of soil were excavated. Samples were collected after excavation and results were acceptable (see attached). The impacted soils were taken to an approved disposal facility.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: 	<b>OIL CONSERVATION DIVISION</b>	
Printed Name: Ed Hasely	Approved by District Supervisor: 	
Title: Sr. Environmental Engineer	Approval Date: 10/23/2012	Expiration Date:
E-mail Address: ed.hasely@energen.com	Conditions of Approval:	Attached <input type="checkbox"/>
Date: 9/26/12 Phone: 505-324-4131 / 505-330-3584(cell)		

\* Attach Additional Sheets If Necessary

nJK 12299 32381



## Chloride

Client:	Energen	Project #:	03022-0001
Sample ID:	Jicarilla 95 6A Sides	Date Reported:	08-14-12
Lab ID#:	62899	Date Sampled:	08-08-12
Sample Matrix:	Soil	Date Received:	08-08-12
Preservative:	Cool	Date Analyzed:	08-13-12
Condition:	Intact	Chain of Custody:	14212

Parameter	Concentration (mg/Kg)
-----------	-----------------------

**Total Chloride**

**4.55**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Jicarilla BGT**



## Chloride

Client:	Energen	Project #:	03022-0001
Sample ID:	Jicarilla 95 6A Bottom	Date Reported:	08-14-12
Lab ID#:	62898	Date Sampled:	08-08-12
Sample Matrix:	Soil	Date Received:	08-08-12
Preservative:	Cool	Date Analyzed:	08-13-12
Condition:	Intact	Chain of Custody:	14212

Parameter	Concentration (mg/Kg)
-----------	-----------------------

**Total Chloride**

**16.9**

Reference: U.S.E.P.A., 4500B, "Methods for Chemical Analysis of Water and Wastes", 1983.  
Standard Methods For The Examination of Water And Waste Water", 18th ed., 1992.

Comments: **Jicarilla BGT**



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	Jicarilla 95 6A Sides	Date Reported:	08-15-12
Laboratory Number:	62899	Date Sampled:	08-08-12
Chain of Custody:	14212	Date Received:	08-08-12
Sample Matrix:	Soil	Date Analyzed:	08-14-12
Preservative:	Cool	Date Extracted:	08-14-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	79.6 %
	1,4-difluorobenzene	90.7 %
	Bromochlorobenzene	103 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Jicarilla BGTs



EPA METHOD 8021  
AROMATIC VOLATILE ORGANICS

Client:	Energen	Project #:	03022-0001
Sample ID:	Jicarilla 95 6A Bottom	Date Reported:	08-15-12
Laboratory Number:	62898	Date Sampled:	08-08-12
Chain of Custody:	14212	Date Received:	08-08-12
Sample Matrix:	Soil	Date Analyzed:	08-14-12
Preservative:	Cool	Date Extracted:	08-14-12
Condition:	Intact	Analysis Requested:	BTEX
		Dilution:	50

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	10.0
Toluene	ND	10.0
Ethylbenzene	ND	10.0
p,m-Xylene	ND	10.0
o-Xylene	ND	10.0
Total BTEX	ND	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	76.8 %
	1,4-difluorobenzene	83.1 %
	Bromochlorobenzene	89.0 %

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846 USEPA, December 1996.

Comments: Jicarilla BGTs



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	Energen	Project #:	03022-0001
Sample ID:	Jicarilla 95 6A Sides	Date Reported:	08-16-12
Laboratory Number:	62899	Date Sampled:	08-08-12
Chain of Custody No:	14212	Date Received:	08-08-12
Sample Matrix:	Soil	Date Extracted:	08-13-12
Preservative:	Cool	Date Analyzed:	08-15-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla BGTs



**EPA METHOD 8015 Modified  
Nonhalogenated Volatile Organics  
Total Petroleum Hydrocarbons**

Client:	Energen	Project #:	03022-0001
Sample ID:	Jicarilla 95 6A Bottom	Date Reported:	08-16-12
Laboratory Number:	62898	Date Sampled:	08-08-12
Chain of Custody No:	14212	Date Received:	08-08-12
Sample Matrix:	Soil	Date Extracted:	08-13-12
Preservative:	Cool	Date Analyzed:	08-15-12
Condition:	Intact	Analysis Requested:	8015 TPH

Parameter	Concentration (mg/Kg)	Det. Limit (mg/Kg)
Gasoline Range (C5 - C10)	ND	0.2
Diesel Range (C10 - C28)	ND	0.1
Total Petroleum Hydrocarbons	ND	

ND - Parameter not detected at the stated detection limit.

References: Method 8015B, Nonhalogenated Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: Jicarilla BGTs

## Ed Hasely

---

**From:** Ed Hasely  
**Sent:** Friday, August 03, 2012 7:13 AM  
**To:** 'Powell, Brandon, EMNRD'; 'Kelly, Jonathan, EMNRD'  
**Cc:** 'Hobson Sandoval'; Jason Peace  
**Subject:** FW: BGT Closure Notifications - Jicarilla

Brandon – This is to notify you that impacted soils were discovered under the BGT on the Jicarilla 95 #6A. We are proceeding w/ closure per 19.15.29 and 19.15.30.

## Ed Hasely Energen Resources Corporation

---

**From:** Ed Hasely  
**Sent:** Friday, July 27, 2012 7:39 AM  
**To:** 'Kelly, Jonathan, EMNRD'; 'Hobson Sandoval'  
**Cc:** Jason Peace  
**Subject:** BGT Closure Notifications - Jicarilla

Jonathan – Energen plans to begin the closure process on the below listed BGT's in the near future. Let me know if you have questions. Thanks.

**Jicarilla 95 #2A - Unit Letter O, Section 25, Township 27N, Range 3W**

**Jicarilla 95 #6A - Unit Letter J, Section 36, Township 27N, Range 3W**

**Jicarilla 95 #7A - Unit Letter D, Section 36, Township 27N, Range 3W**

## Ed Hasely Energen Resources Corporation

Sr. Environmental Engineer  
[ed.hasely@energen.com](mailto:ed.hasely@energen.com)  
Office: (505) 324-4131  
Cell: (505) 330-3584